

Converting Colors

XYZ(49.5160, 57.1858, 81.6718)

Have a look what the booklet for
XYZ(49.5160, 57.1858, 81.6718)
contains.

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Color

**XYZ(49.4533, 56.9994,
81.7943)**

Conversions

Conversions Part 1

Format	Color
Hex	99CFE4
RGB	153, 207, 228
RGB Percent	60%, 81%, 89%
CMY	0.4000, 0.1882, 0.1059
CMYK	0.33, 0.09, 0.00, 0.11
HSL	197°, 58%, 75%
HSV	197°, 33%, 89%
XYZ	49.4533, 56.9994, 81.7943
YIQ	193.2480, -38.9250, -4.9170

Conversions

Conversions Part 2

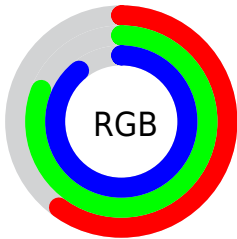
Format	Color
RYB	153, 184, 228
Decimal	10080228
CIELab	80.18, -12.41, -15.98
CIELCh	80, 20.239, 232.163
Yxy	56.9994, 0.2627, 0.3028
Android (android.graphics.Color)	4288270308 (0xFF99CFE4)
YUV	193.2480, 17.1327, -35.2975
Hunter-Lab	75.4979, -15.1988, -11.3861

Details

The XYZ color **49.4533, 56.9994, 81.7943** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.8816, 49.0667, 36.8221**, and the grayscale version is **50.7546, 53.3978, 58.1502**.

A 20% lighter version of the original color is **80.1045, 92.2953, 108.2006**, and **24.0796, 28.4522, 43.7579** is the 20% darker color. If you saturate the color by 10%, you get **44.0392, 51.9599, 81.1079**, and if you desaturate by 10%, it is **55.7557, 62.5923, 82.5426**.

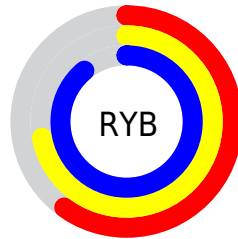
Distribution



Red (60%)

Green (81%)

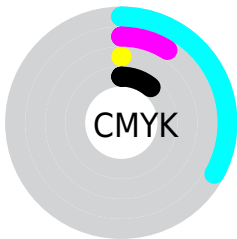
Blue (89%)



Red (60%)

Yellow (72%)

Blue (89%)

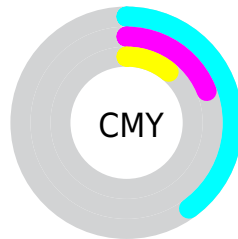


Cyan (33%)

Magenta (9%)

Yellow (0%)

Black (11%)



Cyan (40%)

Magenta (19%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.4533, 56.9994, 81.7943 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 49.4533, 56.9994, 81.7943 by changing the saturation by 10% instead.

■ 49.4533, 56.9994,
81.7943

■ 49.4533, 56.9994,
81.7943

375.0116,
413.4471, 520.8247

■ 35.1952, 41.0048,
60.6612

■ 88.5610, 100.4643,
137.7196

■ 23.9805, 28.3228,
43.5230

■ 114.1414,
128.7034, 173.3488

■ 15.4438, 18.5691,
29.9612

144.2265,
161.7927, 214.6472

■ 9.2198, 11.3594,
19.5574

179.1818,
200.1167, 262.0332

■ 4.9431, 6.3091,
11.8928

219.3726,
244.0597, 315.9255

■ 2.2483, 3.0339,
6.5491

265.1642,

■ 0.7680, 1.1495,

294.0062, 376.7424

3.1076

316.9221,
350.3405, 444.9027

■ 0.0000, 0.0198,
1.1498

■ 0.0000, 0.0000,
0.0000

■ 49.4533, 56.9994,
81.7943

■ 49.4533, 56.9994,
81.7943

■ 44.0392, 51.9599,
81.1079

■ 55.7557, 62.5923,
82.5426

■ 39.4603, 47.4415,
80.4771

■ 62.9850, 68.7556,
83.3513

■ 35.6661, 43.4181,
79.9005

■ 71.1840, 75.5137,
84.2236

■ 32.5977, 39.8585,
79.3751

■ 80.3910, 82.8875,
85.1616

■ 30.1874, 36.7265,
78.8976

■ 86.0872, 88.5483,
85.9540

■ 28.3537, 33.9790,
78.4640

■ 87.9884, 92.3508,
86.5878

■ 27.3091, 32.2122,
78.1780

■ 89.9563, 96.2865,
87.2437

■ 91.0038, 98.3815,
87.5929

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.1551, 56.9994, 71.0356



49.4533, 56.9994, 81.7943



53.1014, 56.9994, 87.4058

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



49.4533, 56.9994, 81.7943



62.4229, 56.9994, 65.2132



51.2378, 56.9994, 43.3068

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



49.4533, 56.9994, 81.7943



52.8816, 49.0667, 36.8221

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



55.2654, 56.9994, 42.1632



49.4533, 56.9994, 81.7943



61.8618, 56.9994, 53.8790

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



49.4533, 56.9994, 81.7943



60.6872, 56.9994, 77.0717



59.1907, 56.9994, 45.7906



48.1484, 56.9994, 49.1409

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.4533, 56.9994, 81.7943



55.8652, 56.9994, 87.0322



59.1907, 56.9994, 45.7906



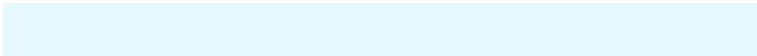
52.5217, 56.9994, 42.3937

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



49.4550, 57.0017, 81.7956



84.0475, 91.0095, 107.7446



48.4244, 65.2774, 49.5842



17.6808, 19.2229, 23.0285



0.0000, 0.0000, 0.0000



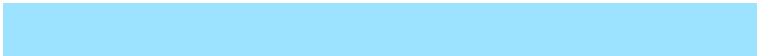
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.4550, 57.0017, 81.7956



59.1853, 69.2669, 104.8582



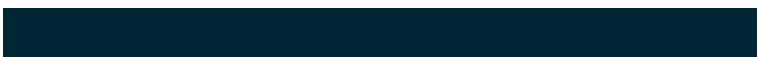
41.6105, 41.3125, 79.1808



14.4485, 15.6184, 18.3975



15.8740, 18.8100, 45.1772



1.2505, 1.5449, 3.3643

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



54.6501, 43.7830, 64.6045



66.9398, 50.4409, 78.9943



60.9161, 65.1356, 39.5003



14.8140, 14.5428, 17.2208



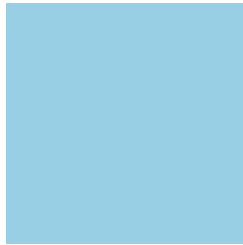
22.4060, 11.0966, 21.5645



1.6948, 0.8356, 1.7994

Previews

White Background



This preview shows how the XYZ color 49.4533, 56.9994, 81.7943 looks on a white background.

Color Contrast Check

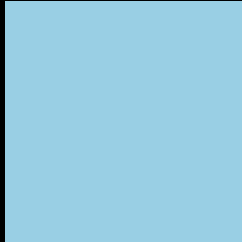
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 49.4533, 56.9994, 81.7943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.4533, 56.9994, 81.7943

Background



This preview shows how black text looks on a background with the XYZ color 49.4533, 56.9994, 81.7943.



This preview shows how white text looks on a background with the XYZ color 49.4533, 56.9994,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

49.4533, 56.9994, 81.7943

Protanopia

55.5231, 56.7551, 76.4351

Deuteranopia

57.8509, 56.4660, 83.4513



Tritanopia

48.9593, 57.1690, 78.9753

Trichromacy



Original Color

49.4533, 56.9994, 81.7943

Protanomaly

53.1636, 56.8584, 78.6938

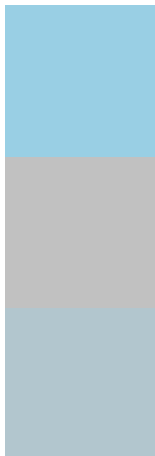
Deuteranomaly

54.2442, 56.2917, 82.8693

Tritanomaly

49.0954, 57.2234, 79.6918

Monochromacy



Original Color

49.4533, 56.9994, 81.7943

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

49.6948, 54.3094, 66.2561

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4533, 56.9994, 81.7943 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(153, 207, 228)` looks like.

```
.text, #text, p{  
    color:rgb(153, 207, 228)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(153, 207, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 207, 228) }
```

Border

The CSS property to change the border of an element to XYZ 49.4533, 56.9994, 81.7943 is called "border". The border property can be set on classes, ids or directly on the HTML element.

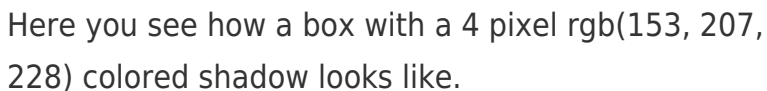
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(153, 207, 228) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(153, 207, 228) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(153, 207, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 207, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 207, 228); box-shadow:4px 4px 4px 4px rgb(153, 207, 228) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4533, 56.9994, 81.7943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 207, 228) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(153,  
207, 228) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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